GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:4183
ANSWERED ON:11.08.2016
Fuel Less Machines/Devices
Singh Shri Sushil Kumar

Will the Minister of POWER be pleased to state:

(a) whether the Government is aware that various fuel less (Energy Saver) machines/devices with efficiency approval 76% have been developed by the individual Innovators and said machines tested by the Central Institute of Agriculture Engineering (ICAR), IIT and others are being awarded by the National and International Institutions;

(b) if so, the details thereof;

(c) whether the Government is providing fund/grant under various schemes for production of electricity especially under small and hydro power schemes; and

(d) if so, the steps being taken by the Government to provide fund/assistance to such innovators, whose efficiency was approved as 76%?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) & (b) : Yes, Madam. Some of the inventions relating to fuel less (Energy Saver) machines/devices are as under:-

i. IIT Bombay has developed and patented energy saver device, Super Heat Recovery Water Heater. This device can be integrated on existing or new Refrigeration or Air Conditioning Systems (R&AC Systems), to recover heat without consuming any additional power.

ii. IIT Delhi has developed devices/technologies for (a) Harnessing draught Animal Power for running screw pump, chaff-cutter, atta-chakki, paddy thresher, sprinkler and charging batteries (b) Bullock Driven Tractor (BDT) (c) Pedal operated Treadle Pump for Irrigation (d) Ultra-Micro (Pico) Hydel Power Package for Rural Applications (e) Utilization of bio-Gas.

iii. 'Fuelstar-Fuel saver' Combustion catalyst was purchased and tested at ICAR-Central Institute of Agricultural Engineering, Bhopal. The equipment had claimed 15% diesel saving. No fuel saving was observed during the testing of catalyst on tractor engine under laboratory conditions.

(c) & (d) : Ministry of New and Renewable Energy is providing Central Financial Assistance (CFA) for the purpose of generation of Electricity under Wind, Solar, Bio-power and Small Hydro Power schemes.

There is no specific scheme to provide fund/assistance to innovators of fuel less (Energy Saver) machines/devices. However, there is a scheme to provide grant for research and development in power sector.

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